

Claims

1. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating state of the fire arm, with a barrel tube and a bolt which can move relative to the frame and the barrel unit, such that, when a shot is fired, the barrel unit can move to a rear against a direction of firing, wherein the barrel unit comprises fastening means which allow detachable mounting of the barrel unit on the frame.

2. The fire arm as claimed in claim 1, wherein the barrel unit comprises a barrel block which is securely mounted on an end of the barrel tube which is a back end in the direction of firing.

3. The fire arm as claimed in claim 2, wherein on the barrel block there is a rise for inserting a round into the barrel tube and an extractor groove for pulling out an empty shell casing.

4. The fire arm as claimed in claim 2, wherein on a bottom of the barrel block, a guide rib is attached, which fits into a guide groove which interacts with it on the frame, when the barrel unit has been mounted on the frame.

5. The fire arm as claimed in claim 1, wherein the fastening means comprise a frame bridge which is attached to the frame and which has a through hole through which the barrel tube extends when the barrel unit (3) has been mounted on the frame (2).

6. The fire arm as claimed in claim 1, wherein the fastening means comprise screw means by which the barrel unit can be fixed on the frame when they are joined to one another.

7. The fire arm as claimed in claim 6, wherein the screw means comprise a barrel nut which is encompassed by the barrel unit and an outside thread in an end area of the barrel tube which is a forward area in the direction of firing, and by screwing the barrel nut onto the outside thread of the barrel tube the barrel unit can be fixed on the frame bridge.

8. The fire arm as claimed in claim 7, wherein the barrel unit further comprises a barrel jacket which is slipped onto the barrel tube from a front such that with a forward end it can adjoin the barrel nut and wherein at the same time the barrel nut can be screwed onto an outside thread of the barrel tube.

9. The fire arm as claimed in claim 8, wherein when the barrel unit is mounted on the frame, the barrel jacket from forward fits on the frame bridge, and the barrel block from a rear, fits on the frame bridge so that when the barrel nut is tightened, the barrel jacket and the barrel block are pressed from the front or back against a corresponding contact surface of the frame bridge so that the barrel unit is securely fixed on the frame.

10. The fire arm as claimed in claim 1, wherein the bolt is made as a spring-mass bolt.

11. The fire arm as claimed in claim 1, wherein the frame comprises two frame parts with the same structure, a frame bridge is attached to one of the frame parts.

12. The fire arm as claimed in claim 1, wherein the fire arm further comprises a magazine safety means which allows a round to be fired only when a magazine tube has been pushed into the fire arm, when the magazine tube has not been pushed in, the magazine safety pivotally supported on the frame is pressed

by a spring against a connecting rod which connects a trigger to a sear (27) which is dynamically connected to a hammer, the connecting rod in the state pressed down cannot fire a round, and the magazine tube inserted the magazine safety is pressed up against the force of the spring such that the connecting rod moves up into a position such that by actuating the trigger a shot can be fired.

13. The fire arm as claimed in claim 1, wherein the firearm further comprises a trigger lock that is transferred out of the position in which the trigger can be actuated into a position in which the trigger cannot be actuated, the trigger lock having an engagement surface which is made as a roof-like surface, the engagement surface is reached through an opening in the grip from an outside, and a wrench is provided which has an opposing contour which corresponds to the engagement surface.

14. The fire arm as claimed in claim 1, wherein the fire arm has a rear sight which can be adjusted in a transverse direction, and which by means of a rear sight mounting is attached on a rear top of the bolt, the rear sight mounting having an internal thread which extends in a transverse direction and the rear sight having a through hole which extends in the transverse direction, and after placing the rear sight on the sight mounting such that the hole of the rear sight is flush with an internal thread of the sight mounting, a setscrew can be inserted through a hole of the rear sight into the internal thread of the rear sight mounting such that by turning the setscrew the rear sight is adjusted relative to the bolt in the transverse direction.

15. The fire arm as claimed in claim 1, wherein the fire arm, in a rear area of the bolt, has a roller safety with safety fins which are attached thereto on an outside and which can be shifted by catching from a safety-on into a safety-off

position of the roller safety, the safety fins are made of a flexible material wherein locking in two end positions is achieved by catch cams in the form of balls mounted accordingly on the safety fins in an area of the end positions.

16. The fire arm as claimed in claim 1, wherein the fire arm has a breech block which is housed in the bolt and which is made of steel, the bolt is a zinc diecasting, an aluminum, or a plastic.

17. The fire arm as claimed in claim 1, wherein the bolt is made from a zinc casting, an aluminum or a plastic, and wherein a steel cylinder pin is inserted into a side wall of the bolt and is used as wear protection for a slide catch lever.

18. The fire arm as claimed in claim 1, wherein the frame is made from a zinc diecasting, an aluminum or plastic, and the fire arm further comprises a cylinder pin which interacts with a connecting rod and which is located on the frame.

19. The fire arm as claimed in claim 1, wherein in the bolt there is a breech block on which a swivelling loaded state indicator is mounted, which can be viewed from an outside and which indicates to a user, when there is a round in the barrel, that the firearm is loaded, the loaded state indicator, when the firearm is loaded, has one section adjoining a rear edge of a cartridge.

20. The fire arm as claimed in claim 1, wherein the fire arm further comprises a dismounting clip which is movably held on the frame and in an upper position releases the bolt on the frame to be able to move and in a lower position releases the bolt for removal, the dismounting clip is made of an at least partially elastic material, the dismounting clip is an end stop

for a corresponding contact surface of the bolt when the bolt moves to a rear when a round is fired.

21. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating state of the fire arm, with a barrel tube and a bolt which moves relative to the frame and barrel unit such that when a shot is fired it moves to a rear against a direction of firing, wherein the firearm further comprises a trigger lock that is transferred out of a position in which the trigger can be actuated into a position in which the trigger cannot be actuated, the trigger lock having an engagement surface which is a roof-like surface, and the engagement surface is reached through an opening in the grip from an outside, and a wrench is provided which has an opposing contour which corresponds to the engagement surface.

22. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating state of the fire arm, with a barrel tube and a bolt which moves relative to the frame and barrel unit such that when a shot is fired it can move to a rear against a direction of firing, wherein

the fire arm has a rear sight which can be adjusted in a transverse direction, and which by means of a rear sight mounting is attached on a rear top of the bolt, the rear sight mounting having an internal thread which extends in a transverse direction and the rear sight having a through hole which extends in the transverse direction, and after placing the rear sight on the sight mounting such that the hole of the rear sight is flush with an internal thread of the sight mounting, a setscrew can be inserted through the hole of the rear sight into the internal thread of the rear sight mounting such that by turning the setscrew the rear sight is adjusted relative to the bolt in the transverse direction.

23. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating state of the fire arm, with a barrel tube and a bolt which moves relative to the frame and barrel unit, such that when a shot is fired the barrel unit moves to a rear against a direction of firing, wherein the fire arm in a rear area of the bolt has a roller safety with safety fins which are attached thereto on an outside and which is moved by catching from a safety-on into a safety-off position of the roller safety, the safety fins are made of a flexible material, wherein locking in two end positions is achieved by catch cams mounted in the form of balls on the safety fins in an area of the end positions.

24. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating state of the fire arm, with a barrel tube and a bolt which moves relative to the frame and barrel unit such that when a shot is fired the barrel unit moves to a rear against a direction of firing, wherein the fire arm further comprises a breech block which is housed in a bolt and which is made of steel, wherein the bolt is produced from a zinc diecasting, an aluminum or a plastic.

25. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating state of the fire arm, with a barrel tube and a bolt which moves relative to the frame and the barrel unit such that when a shot is fired the barrel unit moves to a rear against a direction of firing, wherein the bolt is made from a zinc casting, an aluminum, or a plastic, and wherein a steel cylinder pin is inserted into a side wall of the bolt and is used as wear protection for a slide catch lever.

26. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating

state of the fire arm, with a barrel tube and a bolt which moves relative to the frame and barrel unit such that when a shot is fired the barrel unit moves to a rear against a direction of firing, wherein the frame is made from a zinc diecasting, an aluminum or a plastic and wherein a cylinder pin which interacts with a connecting rod is located on the frame.

27. A fire arm comprising a grip, a frame connected to the grip, a barrel unit fixed on the frame in an operating state of the fire arm, with a barrel tube and a bolt which moves relative to the frame and the barrel unit such that when a shot is fired the barrel unit moves to a rear against a direction of firing, wherein the firearm further comprises a dismounting clip which is movably held on the frame and in an upper position releases the bolt on the frame to be able to move and in a lower position releases the bolt for removal, the dismounting clip is made of an at least partially elastic material, the dismounting clip is an end stop for a corresponding contact surface of the bolt when the bolt moves to a rear when a round is fired.